

id	Emerging Technology Description	Focus Area
106	Food Cooking	Commercial/Institutional Building Performance
283	Carbon-Fluoride Batteries	Commercial/Institutional Building Performance, Consumer Products/Plug Loads, Enabling
245	Certification for Commercial Building Energy Audit and Project Manager	Commercial/Institutional Building Performance, Consumer Products/Plug Loads, Enabling
175	Change Management	Commercial/Institutional Building Performance, Crosscutting and Collaborative Opportuni
235	Educating Installers in New Technologies and Relevant Incentives	Commercial/Institutional Building Performance, Crosscutting and Collaborative Opportuni
386	Thermal Energy Storage with Supercritical Fluids	Commercial/Institutional Building Performance, Crosscutting and Collaborative Opportuni
274	Indoor Plants to Improve Indoor Air Quality	Commercial/Institutional Building Performance, Crosscutting and Collaborative Opportuni
268	Ceramment(TM) ceramic cement-based concrete replacement	Commercial/Institutional Building Performance, Crosscutting and Collaborative Opportuni
314	ASHRAE Advanced Energy Design Guides (AEDG)	Commercial/Institutional Building Performance, Crosscutting and Collaborative Opportuni
353	Building Energy Performance Analytics Software and Services	Commercial/Institutional Building Performance, Enabling Technologies, Energy Manageme
294	Non-Intrusive Load Monitoring	Commercial/Institutional Building Performance, Enabling Technologies, Energy Manageme
330	Meter each building on university campuses	Commercial/Institutional Building Performance, Energy Management
264	Wireless Pneumatic Thermostat	Commercial/Institutional Building Performance, Energy Management, HVAC
338	Advanced Rooftop Unit Controls with Remote Access and Energy Monitoring	Commercial/Institutional Building Performance, Energy Management, HVAC
376	Air Flow Management for Data Centers	Commercial/Institutional Building Performance, Energy Management, HVAC, Information
266	Biobased Window Foam	Commercial/Institutional Building Performance, Envelope, Residential Building Performan
233	Reverse Cycle Chiller Application in Multifamily Dwelling	Commercial/Institutional Building Performance, HVAC
246	Advanced Design Rooftop HVAC Unit	Commercial/Institutional Building Performance, HVAC
269	Pressure Independent Flow Control Valves	Commercial/Institutional Building Performance, HVAC
271	Retrofit roof top hvac w/ heat recovery-economizer.	Commercial/Institutional Building Performance, HVAC
276	Ductless Mini-Split Heat Pump for Small Commercial Applications	Commercial/Institutional Building Performance, HVAC
285	Super Energy Saver Heat Pump	Commercial/Institutional Building Performance, HVAC
313	Desiccant dehumidifiers for grocery & cold storage	Commercial/Institutional Building Performance, HVAC
316	Active & Multi-Service Chilled Beams	Commercial/Institutional Building Performance, HVAC
392	Sewage Heat Recovery	Commercial/Institutional Building Performance, HVAC
37	Variable-Speed Pool Pumps	Commercial/Institutional Building Performance, HVAC, Residential Building Performance
216	New Technology Education and Awareness	Commercial/Institutional Building Performance, Industrial/Ag, Lighting
390	LED High-Bay Lighting Fixture with Built-In Daylight Dimming	Commercial/Institutional Building Performance, Industrial/Ag, Lighting
85	Cool Roofs	Commercial/Institutional Building Performance, Residential Building Performance
1	Computer Power Supply ET	Consumer Products/Plug Loads
5	High Power Density in Data Centers	Consumer Products/Plug Loads
27	Intelligent Power Strip	Consumer Products/Plug Loads
39	Advanced Network Power Management	Consumer Products/Plug Loads
84	High-Efficiency Set-Top Boxes	Consumer Products/Plug Loads
94	Appliance Power Monitoring Device	Consumer Products/Plug Loads
98	OLED Screens	Consumer Products/Plug Loads
148	Efficient Office Equipment	Consumer Products/Plug Loads
159	Flash Memory for Hard Drives Computers	Consumer Products/Plug Loads
161	Copier of the Future	Consumer Products/Plug Loads
169	ENERGY STAR Standby in Electronics	Consumer Products/Plug Loads
170	Integrated Processor Chips	Consumer Products/Plug Loads
189	Efficient Power Supplies	Consumer Products/Plug Loads
224	Heat Pump Dryer	Consumer Products/Plug Loads
232	Low Swirl Combustion	Consumer Products/Plug Loads
128	Smart Grid	Consumer Products/Plug Loads
130	Best-in-Class Efficient Equipment	Consumer Products/Plug Loads
176	Youlet Glowing Wall Outlet	Consumer Products/Plug Loads
282	Smart Charger Controller	Consumer Products/Plug Loads
295	Effective Customer Engagement Programs for Home Energy Management	Crosscutting and Collaborative Opportunities, Enabling Technologies, Energy Management
328	Innovative Behavior Change Techniques	Crosscutting and Collaborative Opportunities, Enabling Technologies, Energy Management
408	On-Bill Financing of Energy Efficiency Projects	Crosscutting and Collaborative Opportunities, Enabling Technologies, Energy Management
409	Continuous Energy Improvement (CEI)	Crosscutting and Collaborative Opportunities, Energy Management, Industrial/Ag
21	Ultracapacitors	Enabling Technologies
277	Supercapacitors	Enabling Technologies
383	Real-Time Automatic Interactive Energy Storage	Enabling Technologies
278	Thermoelectric Generators	Enabling Technologies, HVAC, Industrial/Ag

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320	Heat recovery Ventilation - Residential	Enabling Technologies, HVAC, Residential Building Performance
310	High speed Turbo Blower for Wastewater Treatment	Enabling Technologies, Industrial/Ag
60	Flower Pod	Energy Management
72	Utility-to-Building Connection	Energy Management
97	Hotel Room Automation	Energy Management
142	In-Home Displays	Energy Management
164	Server Virtualization	Energy Management
174	Continuous Energy Management	Energy Management
179	Advanced Metering	Energy Management
227	Wireless Building Automation	Energy Management
272	Dashboard Systems and Continuous Monitoring Based Commissioning	Energy Management
280	Smart Circuit Controllers	Energy Management
321	Residential Occupancy Based HVAC Energy Management	Energy Management
331	Meter each space in multi-tenant leased property	Energy Management
333	Home Energy Automation with Interface to the Smart Grid	Energy Management
334	Creative Financing for Emerging Technology Projects	Energy Management
335	EnergyCAP Energy Management Software	Energy Management
336	Master Control for Residential Electrical Appliances	Energy Management
337	Home Energy Wireless Controls	Energy Management
339	Wastewater Treatment Best Practices Trainings	Energy Management
340	National Sharing of Custom Project Lessons Learned	Energy Management
341	Energy Saving Competitions Among Businesses	Energy Management
342	Promote ASHRAE 100	Energy Management
343	Piggyback on Other Programs for Program Outreach	Energy Management
344	Infrared Drive-by Building Envelope Assessments	Energy Management
345	Energy Tracking and Cost Accounting Software	Energy Management
346	Internet-Based Refrigeration System Monitoring System	Energy Management
348	Training on Energy Efficient Product Selection	Energy Management
350	Increased Use of Key Performance Indicators in HVAC System Optimization	Energy Management
351	ASD Trainings	Energy Management
352	Integration of Technologies	Energy Management
354	Techniques Associated with Technologies for success	Energy Management
355	Wireless, Web-Enabled Monitoring	Energy Management
356	Integrated and Turnkey Energy Management and Control Solutions	Energy Management
357	Data Center Energy Management Tools	Energy Management
358	Non-Intrusive Load Monitoring	Energy Management
359	Zero-Based Benchmarking Tools	Energy Management
360	Web-Enabled Thermostats	Energy Management
361	ISO 50,001	Energy Management
362	In-Home Energy Use Displays	Energy Management
363	Hand-Held Audit Devices	Energy Management
364	Programs Supporting Energy Savings Indirectly	Energy Management
365	Energy Use Benchmarking Tool Using Utility Meter Data	Energy Management
366	Regression Analysis Of Utility Bills to Identify Savings Opportunities	Energy Management
367	High-Performance Window Value Purchase Program	Energy Management
368	Prorated Tenant Energy Billing	Energy Management
369	Incentivizing Use of Energy Star's Portfolio Manager	Energy Management
370	Whole-Building Energy Monitoring	Energy Management
371	Integrate industrial energy management systems into existing equipment tracking systems	Energy Management
372	Increased Feedback From Vendors to Building Managers	Energy Management
373	Data Translators For Energy Management System Inputs	Energy Management
374	List of Low/No-Cost Measures	Energy Management
375	Logic Flow Diagrams for Sequence of Operations	Energy Management
377	Enterprise Information Systems	Energy Management
378	Incorporate Energy Management into Continuous Improvement Programs	Energy Management
379	Guidelines for Building Energy Management	Energy Management

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380	Shared Savings with Commercial Leasing	Energy Management
387	Innovative Behavior Change Techniques	Energy Management
406	Non-Invasive Energy Meter	Energy Management
243	Passive House	Energy Management, Envelope, Residential Building Performance
247	Web-Enabled Thermostat for Small Commercial Application	Energy Management, HVAC
393	Smart Residential Thermostat	Energy Management, HVAC
347	Low-Cost Energy Management and Control System for Small to Medium Commercial Buildings	Energy Management, HVAC, Information Technology, Lighting
349	Vacancy Sensors	Energy Management, Lighting
76	Smart Garage	Envelope
82	Thin Buildings	Envelope
284	Low Cost, Stable Switchable Mirrors: Lithium Ion Mirrors with Improved Stability	Envelope
318	DOE High Performance Windows Volume Purchase Program	Envelope
324	Window Films	Envelope
325	Aerogel Insulation - Piping, Ducts, and Buildings	Envelope
262	Smart Windows	Envelope, Lighting
263	Super Windows	Envelope, Lighting
287	Insulated Vinyl Siding	Envelope, Residential Building Performance
4	Advanced Refrigeration Control	HVAC
6	Variable Capacity Compressor in Packaged Rooftop Units	HVAC
7	Hybrid DX Packaged RTU, Staged Compressors	HVAC
8	Domestic Water Heating from AC Condensing Unit	HVAC
9	Prevention of Overventilating (During Non Economizer Times)	HVAC
10	Economizer Modification via VFD on Blower	HVAC
11	PAX Principle Flow Technology	HVAC
13	Ultraviolet Germicidal Irradiation	HVAC
14	Passive Options for Heating and Ventilation	HVAC
15	Ductless Heat Pump with OSA Ventilation	HVAC
16	Underfloor Air Distribution	HVAC
17	Low Pressure Duct Design	HVAC
18	Displacement Ventilation: Underfloor, etc.	HVAC
19	CO2 Sensor Control (instead of heat exchangers)	HVAC
20	Heat Recovery Ventilator for Commercial Application	HVAC
23	Direct-Indirect Evaporative Cooler	HVAC
24	Freezer Defrost Controller	HVAC
28	Field Vacuum Precooling (For Produce Storage)	HVAC
29	District System Well Water with WSHP	HVAC
31	HRV Need Low Pressure Considerations in Sizing	HVAC
32	Improving Thermal Distribution Systems for Small Commercial Buildings	HVAC
33	AHU Designed for Low Pressure	HVAC
34	Variable Refrigerant Flow (VRF) w/o Internal/External Heat Recovery	HVAC
40	Commercial Heat Pump Water Heaters	HVAC
41	Potential Worse Performance at Peak Load, Optimized Controls	HVAC
42	Vapor Injection for Scroll Compressors in Air Conditioning [Subcool Refrigerant to Get Below Ambient (Copeland [brand name])]	HVAC
43	Premium Ventilation Package for Rooftop Units	HVAC
44	Hotel/Motel Room PTACs with Key Card or Occupancy Sensors	HVAC
47	Thermal Displacement Ventilation	HVAC
49	Coolerado Cooler 5-Ton Rooftop Unit (RTU)	HVAC
50	Natural-Gas-Fired Heat Pump, Toyota Ecovaire	HVAC
51	Integral-Collector-Storage (ICS) Solar Water Heater	HVAC
52	Reuse of Heat from Server	HVAC
53	Use Lighting Occupancy Sensors for Offices to Control HVAC	HVAC
54	Commercial ECM Motors on Series VAV for Speed Control on Terminal Units	HVAC
55	Set residential and/or commercial HVAC equipment tightness requirements per ASHRAE Std 193 MOT	HVAC
57	UVC Treatment of HVAC Coils	HVAC
59	Hybrid Direct Expansion With Evaporative Cooling	HVAC
62	Air Flow Management in High Density Data Centers	HVAC

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64	eCube Temperature Sensor	HVAC
68	Direct Server Cabinet Cooling	HVAC
70	Solar Pre-heater for Ventilation Air	HVAC
73	Micro-CHP	HVAC
74	Radiant Heating and Cooling with Dedicated Outside Air (OSA) Ventilation System	HVAC
75	Operation and Maintenance Rating System for Commercial Buildings	HVAC
77	Smart Defrost Kits	HVAC
83	Self-Commissioning Using Building Diagnostic Software	HVAC
87	Retrocommissioning Major Equipment such as Chillers	HVAC
88	Residential Water Cooled Condenser	HVAC
95	Verified Air Conditioner Refrigerant Charge and Air Flow	HVAC
101	Motor by Nova Torque 1/3 to 10 HP, Super Efficiency	HVAC
102	Integrated Night Ventilation Cooling	HVAC
105	Premium HVAC Equipment	HVAC
109	Centrifugal Compressors with Magnetic Bearings and Speed Control	HVAC
114	Spray Cooling for CPUs	HVAC
115	Occupancy Sensor HVAC Controls	HVAC
121	Ultra-Sonic Humidification	HVAC
122	Fleet Ventilation	HVAC
123	Air Conditioning for Climates with High or Low Sensible Heat Ratios	HVAC
124	RTU Economizer Embedded Diagnostics with Anomaly Detection	HVAC
126	Variable Refrigerant Flow (VRF) Heat Pumps with Internal/External Heat Recovery	HVAC
127	Airblade Hand Dryer	HVAC
131	Single-Phase Motor Speed Control	HVAC
140	Anti-Fog Film	HVAC
147	Frigitek Evaporator Fan Controller	HVAC
149	Insulated Heat Tape for Freeze Protection for Water Pipes	HVAC
151	Aqua Chill/Cool 3-5 ton Water Cooled DX	HVAC
152	Water Treatment Strategies for Evaporative Cooling Systems	HVAC
154	Ducts in the Conditioned Space	HVAC
155	Demand Controlled Ventilation for Commercial Kitchens	HVAC
156	3-Function Heat Pump: Hot Water, Radiant Floors, and Cooling	HVAC
157	Drain-Water Heat Recovery	HVAC
158	In-Rack Data Center Cooling	HVAC
162	Desiccant Cooling	HVAC
163	Embedded Diagnostics	HVAC
165	Demand Control on Item for Morning Warm-Up	HVAC
166	Demand-Controlled Ventilation	HVAC
172	Heat Pump Water Heater-Residential Integrated Units	HVAC
177	FANWALL Technology	HVAC
178	Aerosol-Based Duct Sealing for Residential and Commercial Buildings	HVAC
181	Heat Pump Maximizer	HVAC
182	Combined Heat and Power	HVAC
184	Low-Lift Cooling Technology Option Set	HVAC
185	Efficient Laboratory Hoods	HVAC
186	HRV for Common Spaces in Multi-Family	HVAC
187	Evaporation-Cooled Ceiling Tiles	HVAC
190	Air to Water and Water to Water Heat Pumps, Turbo Loop	HVAC
191	Low Energy Comfort Using Solar, Night Cooling, etc.	HVAC
192	Thermal Energy Storage (to Reduce Peak Load)	HVAC
193	Premium Efficiency Motor for Furnace PSC vs. ECM Motors Change-outs	HVAC
194	Duct Design with ECM Motors as a Package	HVAC
195	Filter Efficiency Requirements: Set Static Pressure Limit for Flow (Lower Pressure Ventilation)	HVAC
196	Integrated Design Strategies: Duct Sizing, Coils, Number Of Zones, Filter Sizing; a Package of Design Measures; Keep it Simple	HVAC
197	Heat Home with Dehumidifier	HVAC
198	Condensing Dryers, HP Water Heater, Water Heater Extracts Heat from Dryer for DHW	HVAC

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199	Ductless Heat Pumps, Low Temperature, for Residential Application	HVAC
200	Variable Speed Compressors	HVAC
201	Integrated Bldg. Systems	HVAC
202	Absorption Chiller with Solar HW and Digital Controls	HVAC
203	Low Temp Supply Air to Reduce Volumetric Flow Rate	HVAC
204	RTU Simplified Energy Meter and Embedded Diagnostics with Anomaly Detection	HVAC
205	ECM for Exhaust Fans and Terminal Units	HVAC
206	Cromer Under ASHRAE Review	HVAC
228	Micro Channel Evaporator	HVAC
229	Phase-Change Drywall	HVAC
231	Solid State Economizer Controller and Sensor	HVAC
241	Diagnostic Software for HVAC Systems	HVAC
248	Dedicated Outside Air System (DOAS) for VAV HVAC systems	HVAC
249	Single Zone VAV	HVAC
250	Tighter HVAC Boxes	HVAC
251	High Efficiency Chiller	HVAC
252	High-Performance Indirect Evaporative Cooler	HVAC
253	Improved Duct Sealing Standards	HVAC
254	Partial OSA Economizer for Loop-Type Systems	HVAC
256	Ground Heat Exchanger	HVAC
257	Low Pressure Drop Piping System	HVAC
258	Low Temperature Air for Airside Economizer	HVAC
259	Packaged CHP	HVAC
260	Cooling Tower Slab Cooling	HVAC
261	Desiccant-Enhanced Evaporative Air Conditioner (DEVap)	HVAC
270	Differential Enthalpy control of economizers, not dry bulb or simple enthalpy	HVAC
275	Energy Enhancing Controller for Constant Volume Rooftop Units	HVAC
281	MicroHeater Microchannel Combustor	HVAC
291	Circulating Pumps with Variable Speed Permanent Magnet Motors	HVAC
300	Ductless Mini-Split Heat Pumps with Variable Speed Compressors for Residential Application	HVAC
301	Ductless Mini-Split Heat Pump for Multifamily Housing	HVAC
302	Ductless Mini-Split Heat Pump for Manufactured Homes	HVAC
311	Low Temperature VRF with simultaneous heating and cooling for large commercial applications	HVAC
312	Low Temperature VRF without simultaneous heating and cooling for large commercial	HVAC
317	DualCool Evaporative Cooler to Pre-Cool Ventilation Air	HVAC
323	Ground Source Variable Refrigerant Flow Systems	HVAC
327	Quiet Climate 2: Efficient Heat Pump for Portable Classrooms	HVAC
332	Variable-Speed Compressor Single-Zone Ducted Heat Pump	HVAC
382	Modular HVAC Equipment	HVAC
385	Nanotechnology Membrane-Based Dehumidifier	HVAC
12	Variable Volume Dust Collection System	HVAC, Industrial/Ag
230	Energy Efficient Motors	HVAC, Industrial/Ag
293	Heat Pump Water Heaters Using CO2 for Commercial and Industrial Applications	HVAC, Industrial/Ag
119	Air-Side Economizers for Data Centers	HVAC, Information Technology
240	Smart Thermostat	HVAC, Residential Building Performance
329	High Temperature Water and Space Heating for Peak Demand Management	HVAC, Water Heating
2	Heat-Of-Compression Desiccant Dryers (Replacing Existing Desiccant Compressed Air Dryers that Use Electric Resistance Heat)	Industrial/Ag
22	Ultranano-crystalline Diamond (UNCD®) Mechanical Seals	Industrial/Ag
48	Wireless Sensors	Industrial/Ag
65	Electrodialysis for Wine Industry	Industrial/Ag
69	Replacing Desiccant Compressed Air Dryers with Refrigerated Dryers	Industrial/Ag
90	Air Compressors with Variable Speed Drives	Industrial/Ag
91	New Variable Speed Drives	Industrial/Ag
93	Industrial Pumps & Fans	Industrial/Ag
107	System Optimization	Industrial/Ag
120	Positive Displacement Pump and Control for Injection Molding	Industrial/Ag

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132	Automatic Reset of Dryer Dewpoint Setpoint	Industrial/Ag
138	Thermosorber for Food Processing	Industrial/Ag
160	Conversion of Industrial Equipment from Compressed Air to Direct Drive	Industrial/Ag
171	Clean-On-Demand Compressed Air Controls for Baghouses	Industrial/Ag
173	Variable Speed Die Casting Machine	Industrial/Ag
183	Near Net-Shape Casting	Industrial/Ag
188	Interlock of Pulsation Unit with Dairy Milking Vacuum System	Industrial/Ag
207	Advanced Industrial Controls	Industrial/Ag
208	Emissivity Sensors	Industrial/Ag
209	Moisture Sensors	Industrial/Ag
210	Power Electronics	Industrial/Ag
211	Smart Controllers -- Sensorless	Industrial/Ag
212	Temperature Sensors	Industrial/Ag
288	Low Energy Precision Application (LEPA) Irrigation	Industrial/Ag
296	On-Demand Ventilation Controls for Dust and Fume Collection Systems	Industrial/Ag
381	Add Pumps To Reduce Block Heater Loads	Industrial/Ag
56	"Office of the Future" Technologies	Integrated Design
3	LED Task Lighting	Lighting
25	Mesopic Lighting for Low Light Visibility	Lighting
26	High-Bay Fluorescent Lighting	Lighting
30	Modular CFL Downlights	Lighting
35	High Color Temperature Lighting	Lighting
36	HID Electronic Ballast	Lighting
38	Lighting Occupancy Sensors for Linear Fluorescent, HID, and Solid State Lighting [delete]	Lighting
45	Lighting Fixtures with Advanced Local Lighting Controls	Lighting
58	Metal Halide Retail Lighting Ceramic	Lighting
61	Reduced Wattage, High Color Temperature T5 Lamps	Lighting
63	Bi-Level Lighting with Occupancy Sensors in Parking Lots and Garages	Lighting
66	SSL Display Lighting	Lighting
67	Scotopic Lighting	Lighting
71	Daylighting Solar Canopy	Lighting
78	LED Street Lighting	Lighting
79	Solid State Outdoor Area Lighting	Lighting
80	Solid State Plasma Lighting	Lighting
81	Fluorescent Dimming Controls	Lighting
86	CFL Downlights	Lighting
89	LED Refrigerated and Freezer Case Lighting	Lighting
92	Induction Lighting	Lighting
96	Advanced Occupancy Controls for Lighting and HVAC	Lighting
99	OLED Lighting	Lighting
100	LED Downlights for Residential Retrofit Applications	Lighting
103	Continuous Dimming with Daylight Harvesting	Lighting
104	Electron Stimulated Luminescence Lighting	Lighting
108	Bi-Level Stairwell Lighting Control	Lighting
110	Directional Solid State Lighting for Interior Spaces	Lighting
111	LED Linear Signage Lighting	Lighting
112	Circadian Lighting Color Tuning	Lighting
113	LEDs for Commercial Signs (Other than Linear)	Lighting
116	Integral LED Nightlight/Occupancy Sensor Control for Hotel Bathroom Lighting	Lighting
117	Wireless Lighting Controls	Lighting
118	Mirrored Light Pipes	Lighting
125	T-5/T-8 HO Wall Packs for 12/7 or 24/7 Outdoor Applications	Lighting
129	Advanced Lens Fluorescent Fixtures	Lighting
133	Integrated Classroom Lighting System	Lighting
134	LED Elevator Lighting	Lighting
135	Lighting Control Commissioning	Lighting

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136	Non-Daylight Sensors for Outdoor Lighting	Lighting
137	Dimmable Fluorescent Lighting	Lighting
139	Personal Lighting System	Lighting
141	Photoluminescent Exit Signs	Lighting
143	Fiber Optic Daylighting	Lighting
144	Simplified Daylight Controls	Lighting
145	Street Sign Lighting	Lighting
146	LED for Covered Parking Lots	Lighting
150	LED Under-Cabinet Lighting	Lighting
153	LED Luminaires, Residential	Lighting
167	Improved CFLs	Lighting
168	Hotel Room Lighting	Lighting
180	Intelligent Hotel Bathroom Lights	Lighting
213	LED Directional Replacement Lamps	Lighting
214	LED A-Lamp Replacement	Lighting
215	LED Testing	Lighting
218	Low Wattage Metal Halide	Lighting
219	Increased Task Lighting, Reduced Ambient Lighting	Lighting
222	Bi-Level Office Lighting with Occupancy Sensors, Auto-On 50%	Lighting
223	Cold-Cathode Lighting-Dimmable	Lighting
225	Lighting Controls for Outdoor Lighting	Lighting
234	LED T8 Lamp Replacement	Lighting
236	Cold Cathode Compact Fluorescent Lamps for general illumination	Lighting
237	Cold Cathode Fluorescent Sign Lighting	Lighting
238	Street Lighting Using T5 Fluorescent Lamps	Lighting
267	Microplasma Lighting	Lighting
273	Sulfur Plasma Lighting	Lighting
279	LED High Bay with Wireless Control	Lighting
286	Highly Efficient Incandescent Light Bulbs	Lighting
289	Hybrid Halogen-CFL Light Bulb	Lighting
290	Skylights and Windows with Aerogel Filling	Lighting
394	LED Retrofit Kits for Outdoor Lighting Applications	Lighting
395	LED Outdoor Wall Packs	Lighting
396	LED Bollards	Lighting
397	LED Outdoor Wall Wash Luminaires	Lighting
398	LED Parking Garage Lighting	Lighting
399	LED Track Lighting	Lighting
400	LED Display Case Lighting	Lighting
401	LED Linear Panels (troffers)	Lighting
402	LED Interior High Bay and Low Bay Lighting	Lighting
403	LED Canopy Lighting	Lighting
404	LED Indoor Wall Wash Luminaires	Lighting
405	LED Downlights (recessed cans) for Commercial Applications	Lighting
326	Hybrid Solar Electric/Thermal System	Renewable Energy
292	Heat Pump Water Heaters for Commercial Kitchens	Water Heating
319	Pump controls	Water Heating
389	EcoCute Carbon-Dioxide-Based Heat Pump Water Heater	Water Heating